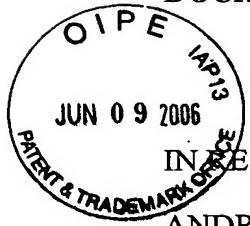


DOCKET NO: 230420US26YA



IN THE UNITED STATES PATENT & TRADEMARK OFFICE

IN RE APPLICATION OF

ANDREJ S. MITROVIC

SERIAL NO: 10/673,583

RCE FILED: HEREWITH

: EXAMINER: SAXENA, AKASH

: GROUP ART UNIT: 2128

FOR: SYSTEM AND METHOD FOR  
USING FIRST-PRINCIPLES  
SIMULATION TO PROVIDE VIRTUAL  
SENSORS THAT FACILITATE A  
SEMICONDUCTOR MANUFACTURING  
PROCESS

AMENDMENT UNDER 37 C.F.R. § 1.114

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

In response to the Office Action dated March 9, 2006, please amend the above-identified application as follows:

**Amendments to the Claims** are reflected in the listing of claims which begins on page 2 of this paper.

**Remarks/Arguments** begin on page 16 of this paper.

06/12/2006 JAD001 00000015 10673583

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